



SDFCL
s d fine-chem limited

Quality Control Dept.

Product Specification



E Control	QC2\DATAD\IPS\20214XPS.xls
PRODUCT CODE	20214
PRODUCT NAME	POTASSIUM NITRATE AR Meets Analytical Specification of BP, USP, Ph. Eur.
SYNONYMS	--
C.I. NO.	--
CASR NO.	(7757-79-1)
ATOMIC OR MOLECULAR FORMULA	KNO ₃
ATOMIC OR MOLECULAR WEIGHT	101.10
PROPERTIES	Dissolves in water with a lowering of the temperature.

KNO₃

PARAMETER	LIMIT
Description	Colourless / white crystals / crystalline powder.
Solubility	10% solution in water is clear and colourless.
Identification	Passes test.
Minimum Assay (Ion-exchange)	99.5%
pH of 5% soln.	5.0 – 8.0
Loss on drying (at 100 °C)	Max. 0.5%
MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter	0.003%
Acidity (HNO ₃)	0.003%
Alkalinity	0.5 ml N/1%
Chloride (Cl)	0.001%
Phosphate (PO ₄)	0.0005%
Sulphate (SO ₄)	0.003%
Nitrite (NO ₂)	0.0001%
Ammonium (NH ₄)	0.001%
Arsenic (As)	0.0001%
Calcium (Ca)	0.0015%
Copper (Cu)	0.0001%
Iron (Fe)	0.0005%
Iodate (IO ₃)	0.00005%
Lead (Pb)	0.0001%
Magnesium (Mg)	0.0015%
Sodium (Na)	0.1%

Note(s) : Assay (if applicable) method mentioned.

WARNING

Hazard statements : May cause respiratory irritation. May intensify fire; oxidizer.
Harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation. Toxic to aquatic life

Precautionary statements

Prevention : Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take any precaution to avoid mixing with combustible or incompatible materials. Keep away from heat.

Response : If skin irritation occurs, seek medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Wear eye/face protection. Specific treatment: refer to Label or MSDS.

Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.

IMDG Code : 5.1/ III

UN No. : 1486

IATA : 5.1

Hazard Pictogram(s) :



Skin irritation



Oxidising

Prepared By :

Checked By:

Approved By:

Issue Date : 01.07.2002

Name/Dept. : Officer (Q.A.)	Name/Dept.:Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No.: 03
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